NEWS LETTER OF THE SOCIETY OF AMERICAN BACTERIOLOGISTS

From the Office of the Secretary-Treasurer
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OFFICERS AND COUNCILORS, 1938

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N. Paul Hudson, Columbus - Ohio (protem)
Carl J. Bucher, Philadelphia - Eastern Pennsylvania
Charles Thom, Washington - Washington, D. C.

CALENDAR

From Memorable Days in Medicine, by Dr. and Mrs. Paul F. Clark
(Medical Life, June, 1937. Used with permission of both authors and publishers)

June 8, 1838--Born, GEORGE MILLER STERNBERG of Washington (1838-1915). Sternberg deserves much credit for his organizing ability as well as for his bacteriological and epidemiological discoveries. As Surgeon General of the United States Army, he organized the Army Medical School, the Army Nursing Corps, and the Yellow Fever Commission. This Commission established, once and for all, the mode of transmission of yellow fever by the infected mosquito, and disproved by careful experimentation various earlier theories on the subject. Sternberg also made original contributions on disinfection and photomicrography, and was the first to demonstrate in a patient in the United States the malarial parasite.

June 27, 1721--ZABDIEL BOYLSTON of Boston (1679-1766). Boylston's is the chief name concerned in the introduction of direct inoculation against smallpox in America. On June 27, 1721, he inoculated his only son and during the succeeding months, 246 others. He underwent considerable persecution, and endured attempts of the courts and of other physicians to suppress the practice. However, not many years afterwards, Boylston's position was reversed by the broader acceptance of inoculation, and as one of the most distinguished physicians of his period, Boylston was probably the first American to be made a Fellow of the Royal Society of London.

The President's Letter

The perennial question of the modus vivendi of the Biological Abstracts became acute once more during the past months; in fact, the question was one of "life or death". Fortunately, or so it seems to me, the "Journal" has through the efforts of many persons, societies, and libraries, succeeded in raising sufficient funds to publish this next volume. The editors hope during the year to reestablish the Abstracts in the minds of workers in the various branches of biology, manifestly a difficult task.

I felt that the proposal made at the Christmas meetings was quite impossible, but I am sorry that the Council, in its recent vote, decided against a contribution from our treasury. I feel, in a milder way, somewhat as I did when the U. S. Senate voted against joining the League of Nations, that is, regret at our failure to contribute to an important community enterprise.

Our representative on the Board, Dr. Hitchens, writes that he believes that eventually a division of the abstracts covering bacteriology and immunology will be available at a price of four or five dollars a year. Until then, I hope that as many of our members as can will subscribe personally. The price to individuals in contributing institutions is $7.00 a year. The Biological Abstracts has not covered our field adequately, but there is no reason why it cannot do so, and every reason why it should some day equal both in quality and coverage the highly successful Chemical Abstracts.

Faithfully yours,

Paul F. Clark.

PROGRAM OF THE SAN FRANCISCO MEETING

Enclosed is a blank for your use in submitting an abstract of the work which you plan to present at the San Francisco meeting. Please note the "Attention of Authors". Your observance of the directions given therein will not only be of great assistance to the program committee chairman, but will help insure your own satisfaction with the printed abstract. The dead-line for receipt of abstracts is June 15.

The organization of the program is progressing very satisfactorily, and all plans indicate that the scientific sessions will be of unusual interest and value. Dr. George Packer Berry, Chairman of the Program Committee, has issued the following preliminary description.

Section on General Bacteriology: The principal activity of the General Section will be a symposium on the subject of enzymes in relation to bacteriology. This symposium will be scheduled for Wednesday morning, August 31. No competing meetings will be arranged at this time, if it is possible to avoid conflict. It is hoped that this symposium will interest all members in attendance. It has been organized by Dr. René Dubos, who will give the opening talk. So far, the subjects to be considered are enzymes and intermediate metabolism, enzymes and immunological problems, adaptive and constitutive enzymes, and industrial applications of bacterial enzymes. Certain other topics are under consideration. A round-table will probably be held on the subject of bacterial enzymes in order that the group particularly interested may have a freer discussion than would be possible at the morning symposium.

Section on Medical Bacteriology, Immunology, and Comparative Pathology: A symposium has been arranged on the subject of viruses and virus diseases. Another group of papers will concern recent work with the rickettsia and a review will be presented on the subject of Rocky Mountain Spotted Fever. Other topics on which interest will be focussed concern diseases of a special significance in California and through the western part of the United States, including such subjects as coccidioidal granuloma, plague, etc.

Section on Agricultural and Industrial Bacteriology: Groups of papers on the various topics usually considered by this section will be arranged. The subject of fermentation will be especially emphasized.

Round-Tables: Round-tables have been organized on the following subjects: staphylococcus, spirochetes and spirochetal diseases, bacterial enzymes, food-poisoning, and cross-inoculation of legumes. Tentative plans are under way for certain other discussion groups.

COUNCIL ACTIONS

The Council recently took the following actions:

1. Eastern Missouri Branch: The petition of a number of members of the Society located in eastern Missouri for the formation of a local branch, was approved.

2. Biological Abstracts: A proposal whereby the Society would appropriate $500 to Biological Abstracts in the event that Volume 12 were to be published, was rejected.

3. Membership:

a) The Council approved the applications of the following new sustaining members:

Braun-Knecht-Heimann Company--San Francisco
Redman Scientific Company--San Francisco
Cutter Laboratories--Berkeley

b) The applicants for active membership whose names are included upon the attached lists, were approved.

THIRD INTERNATIONAL CONGRESS FOR MICROBIOLOGY

Organization of the International Congress is now almost complete, and arrangements for the scientific sessions are under way.

At a meeting of the Conveners of the Sections, a number of Vice-Presidents of the Congress were elected. Included on the list are several members of the S. A. B.

Prof. R. E. Buchanan
Prof. G. A. Nadson
Dr. Charles Thom
Dr. John Mohler
Dr. Milton Rosenau
Prof. Th. Thjotta
Prof. C. Gorini
Prof. H. R. Dean
Dr. W. H. Park
Prof. S. Winogradsky
Prof. J. W. Bigger
Dr. Rufus Cole.

A number of scientific societies and organizations have appointed members to serve on the Advisory Council of the Congress. Members of the S.A.B. who will act on this board are

Dr. E. B. McKinley--American Association of Pathologists and Bacteriologists
Dr. A. F. Coca--American Association of Immunologists
Dr. N. Paul Hudson--American Society of Tropical Medicine
Dr. Hans Zinsser--American Medical Association
Dr. M. H. Soule--American Association for Advancement of Science
Dr. Ward J. MacNeal--New York Academy of Medicine
Dr. Nathan R. Smith--American Society of Agronomy.

Several new National Groups have been added to the list published in the September, 1937, issue of the News Letter. The new groups are

Sweden--Swedish Association of Microbiology
Greece--l'Union des Microbiologues et Hygienistes Hellenes.
Ireland--"National Group of Microbiologists of Ireland and National Committee for Ireland of the International Association of Microbiologists"
Australia--Pathological Societies of Melbourne, Sydney, and Adelaide
Czechoslovakia--Czechoslovakian Society of Microbiologists
France--Association of French Speaking Microbiologists
Hungary--Verinigung der ungarischen Mikrobiologen

LOCAL BRANCHES

Southern California

The Southern California Branch recently elected the following officers to serve during 1938:

President: Dr. C. W. Bonynge, 1930 Wilshire Boulevard, Los Angeles
Vice-President: Dr. R. V. Stone, Los Angeles County Board of Health
Secretary: Dr. Meridian R. Greene, Dept. of Bact., U.C.L.A.
Executive Committee: The above officers, plus
Dr. Emil Bogen, Olive View, San Fernando
Dr. T. D. Beckwith, Dept. of Bact., U. C. L. A.

Connecticut Valley

May 14 is the date set for the spring meeting of the Connecticut Valley Branch, at Wesleyan University, Middletown, Connecticut.

Eastern Missouri

Fifty members attended the first meeting of the newly formed Eastern Missouri Branch, held on April 12 in St. Louis. The six papers comprising the scientific program were well presented and were discussed with considerable interest. At the business session the following officers were elected:

President: Dr. L. A. Julianelle, Washington Univ., St. Louis
Vice-President: Dr. L. R. Jones, St. Louis Univ., St. Louis
Treasurer: Dr. J. C. Willett, Dept. of Health, St. Louis
Secretary: Dr. G. F. Reddish, Lambert Pharmacal Co., St. Louis

Eastern New York

Prof. A. W. Bray, vice-chairman, presided over the meeting of the Eastern New York Branch held in Troy on April 29. A dinner at Rensselaer Polytechnic Institute preceded the business and scientific sessions. The program was made up of the following papers:

1. "The virulence for mice of certain pneumococcus strains following induced specific type transformation".--Albert H. Harris.
2. "The action of soil microorganisms on the carbohydrates of pneumococci of Types I to XXXII".--Grace M. Sickles and Myrtle Shaw.
3. "Preliminary report on the action of immune serum in conjunction with sulfanilamide in Type III pneumococcus infections in mice".--John K. Miller.
4. "A study of meningococcus cultures from horses immunized against meningococci".--Sophia M. Cohen.
5. "Purification and analysis of diphtheria toxin by ultrafiltration".--Mary W. Wheeler.
6. "Further observations on the toxigenic properties of hemolytic streptococci".--Julia M. Coffey.

North Central

The seventh semi-annual meeting of the North Central Branch is scheduled for May 20 and 21 at the University of Minnesota in Minneapolis.

Eastern Pennsylvania

At the 19th annual March meeting of the Eastern Pennsylvania Chapter, held March 22 in Philadelphia, Miss Rose Ichelson presented a preliminary report on the "Bacteriological Findings in 680 Cases of Rheumatic Fever". Mr. William F. Wells and Miss Ruth Blumfeld discussed and effectively demonstrated "Methods for Measuring Sanitary Ventilation", by infecting the atmosphere of the auditorium, sampling air to determine the bacterial count, and then making a second analysis after having turned on an ultraviolet burner.

A total of 128 was present at the meeting of the group on April 26. The scientific program was made up of papers by Mrs. Cora Gunther and Louis Tuft on "The comparative study of media employed in the isolation of typhoid bacilli from feces and urines", Drs. M. G. Sevag and B. Lackman, and Mr. Smolens on "The chemistry of a nucleoprotein antigen -- 'labile antigen' -- from hemolytic streptococci of Lancefield Group A", and Dr. E. J. Czarnetzky and Mr. H. E. Calkins on "Some reactions of sulfanilamide with nucleoproteins, and a suggested mechanism of the action of sulfanilamide".

PUBLICITY COMMITTEE

Dr. T. D. Beckwith of the University of California at Los Angeles has been appointed to serve as the California local group's representative on the publicity committee for the 1938 meeting, in place of Dr. E. W. Schultz. Dr. N. Paul Hudson, chairman, Dr. E. R. Hitchner, and Dr. S. B. Hooker are the other members of this committee.

CONCERNING MEMBERS

The second Christian Fenger Lecture of the Institute of Medicine of Chicago and the Chicago Pathological Society was delivered on March 25 by Dr. David J. Davis of the University of Illinois. Dr. Davis spoke on "Pathology as a Basis for the Study of Health."

Dr. C. W. Dodge of the Missouri Botanical Garden, St. Louis, was elected president of the American Microscopical Society at its Indianapolis meeting.

Prof. Dott. Costantino Gorini has been elected an honorary member of the "Societe francaise d'Encouragement a l'Industrie Laitiere", and of the "Confederation Generale des Producteurs de Lait de France".

Dr. Norman MacL. Harris retired on superannuation, April 1, from the position of Chief of the Laboratory of Hygiene, Department of Pensions and National Health, Ottawa.

Among the recent appointments at the University of Alabama School of Medicine is that of Dr. A. L. Joyner. Dr. Joyner, who is at present an assistant in bacteriology and pathology at the Rockefeller Institute, will assume the position of assistant professor of bacteriology and pathology at the University of Alabama.

The radio-biological investigations of Prof. A. Kluyver will be supported for another five-year period by the Rockefeller Foundation of New York.

At the recent meeting of the American Society for Experimental Pathology in Baltimore, Dr. C. Phillip Miller of the University of Chicago was elected president.

Dr. Thurman B. Rice, professor of bacteriology and public health at the School of Medicine of Indiana University, has been made chairman of the newly established department of bacteriology and public health at that institution.

As retiring president of the Washington Academy of Sciences, Dr. Charles Thom gave an illustrated address entitled "A Microbiologist Digs in the Soil", before the academy on February 17.

Among those to whom the Committee on Scientific Research of the American Medical Association has made grants, are Dr. G. M. Dack for his work on the relationship of Bacterium necrophorum to chronic ulcerative colitis, and Dr. Albert P. Krueger for work on bacteriophage.

CHANGES OF ADDRESS

Members of the Society who have recently moved into different localities may now be reached at the following addresses:

Bartram, M. Thomas--Food and Drug Adm., U.S.D.A., Washington, D. C.
formerly of College Park, Maryland
Chinn, Ben D.--Dept. Bact., U. of Chicago, Chicago, Illinois
formerly of Charleston, South Carolina
Curphey, Theodore J.--95 Ninth St., Garden City, New York
formerly of Westbury, L. I., New York
Feemster, Roy F.--40 Kent St., Brookline, Massachusetts
formerly of Jamaica Plain, Massachusetts
Fodor, Andrew R.--45-47 - 169th St., Flushing, New York
formerly of Jackson Heights, L. I., New York
Gordon, Ruth Evelyn--3258 O St., N. W., Washington, D. C.
formerly of Ithaca, New York
Morgan, Isabel M.--4117 Pine St., Philadelphia, Pennsylvania
formerly of Pasadena, California
Thornberry, H. H.--Dept. Horticulture, Univ. of Illinois, Urbana, Illinois
formerly of Washington, D. C.
Vermilye, John H.--Veterans Administration Facility, Muskogee, Oklahoma
formerly of Whipple, Arizona

IN MEMORIAM

It is with deep regret that we record the deaths of

Dr. E. M. Houghton, on December 12, 1937
Prof. Renwick Hutson Leitch, in November, 1937
Dr. Benjamin White, on March 28, 1938.

Dr. E. M. Houghton (1867-1937) took his preliminary scientific training at the Univ. of Michigan, receiving the degrees of Pharmaceutical Chemist and M. D. in 1893 and 1894 respectively. After pursuing special studies abroad, he joined the staff of the Univ. of Michigan Medical School as assistant instructor in Pharmacology and at the same time began the practice of medicine in Ann Arbor.

In 1895, Dr. Houghton became associated with the Medical Research and Biological Laboratories of Parke, Davis and Company in Detroit, as junior director, a position which he held until 1911 when he succeeded Dr. McClintock as senior director. From 1896 to 1901 he was also lecturer in Experimental Pharmacology at the Detroit College of Medicine, and from 1902 to 1906 was special lecturer in Pharmacology at the Univ. of Michigan Medical School. His career as a medical practitioner specializing in diseases of digestion and elimination was necessarily terminated in 1901 to permit him more time for teaching and research.

Dr. Houghton spent the greater part of his time in devising and improving methods for the manufacture of medicinal products, and in developing new products and processes for prophylactic and curative medicinal purposes. He also did much toward establishing the principles of physiological standardization, and several of his tests are still the standards of today--for instance, the cock's comb method of testing ergot, and the frog-heart method for digitalis assay. Although his formal retirement from active service came in 1929, Dr. Houghton continued as consulting director of the laboratories until the following year.

In the capacity of U.S. Government delegate to the International Congress of Applied Chemistry in London, 1908, and as a member of the organizing committee of the same Congress for its New York meeting, Dr. Houghton was active in organization work. He was for many years a member of the S. A. B. as well as of numerous other scientific societies.

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Prof. Renwick Hutson Leitch was until the time of his death, Professor of Dairying at the Dairy Research Laboratories of the West of Scotland Agricultural College, Auchincruive, Ayr, Scotland. He had been a member of the S. A. B. since 1924.

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Dr. Benjamin White, a native of Cooperstown, New York, graduated from Yale University in 1900, and followed this work with postgraduate study in Berlin, Munich, Vienna, and London. Shortly after his return from abroad in 1903, he served as bacteriologist and chemist for the King's County Milk Commission in Brooklyn, the Otisville (N.Y.) Sanitarium, and the Saranac Laboratory. From 1911 to 1914, Dr. White acted as consulting bacteriologist at the Long Island College Hospital, and during 1918 and 1919 was a captain in the sanitary corps of the U. S. Army After being for a time assistant professor of bacteriology and immunology at the Harvard Medical School and lecturer at the Massachusetts College of Pharmacy, in 1920 Dr. White assumed charge of the state antitoxin and vaccine laboratory in Forest Hill, Boston. He held this position until ill health forced his retirement in 1933.

Widely known in laboratory circles, Dr. White was instrumental in starting and carrying to completion the Massachusetts program for the immunization of school children to diphtheria. As a medical consultant to the Commonwealth Fund, one of his last acts was to complete an important study, "The Biology of the Pneumococcus", under sponsorship of that fund.

Dr. White was for many years an active member of the S. A. B. and relinquished his membership only when ill health made necessary his retirement.

NEW MEMBERS
December 6, 1937 - March 28, 1938

Acton, Flora--1305 West 16th Street, Topeka, Kansas
Adam, J. N., Jr.,--Lederle Laboratories, Inc., Pearl River, New York
Allgeier, Rudolph J.--45 Colfax Road, Upper Darby, Pennsylvania
Austin, Carlton J.--15 South 34th Street, Philadelphia, Pennsylvania
Ayres, Gilbert B.--American Cyanamid Co., Stamford, Connecticut
Beltz, John H.--3340 North Broad Street, Philadelphia, Pennsylvania
Bernheimer, Alan W.--2259 North Park Avenue, Philadelphia, Pennsylvania
Bowers, Elma K.--4927 Parkview, St. Louis, Missouri
Branconi, Peter V.--613 Mellon Street, S. E., Washington, D. C.
Brown, Leland--422 Center Building, 6816 Market St., Upper Darby, Pennsylvania
Brownlee, Donald S.--Dept. of Bact., Univ. of Maryland, College Park, Maryland
Brueckner, Alfred--606 Dodge Street, West Lafayette, Indiana
Buck, Katheryn E.--1100 North Dearborn Parkway, Chicago, Illinois
Burlingame, Ella--Lambert Pharmacal Co., 2101 Locust Street, St. Louis, Missouri
Campbell, Eva Galbreath--Guilford College, Guilford College, North Carolina
Chinn, Ben D.--Dept. of Bact. & Hyg., Medical College of S. C., Charleston, S. C.
Christopher, Jean--1620 Boswell Avenue, Topeka, Kansas
Coriell, Lewis L.--513 Snow Hall, Univ. of Kansas, Lawrence, Kansas
Downs, Cora M.--1625 Alabama Street, Lawrence, Kansas
Drake, Eugene T.--Cudahy Packing Co., South Side Station, Omaha, Nebraska
Durfee, Thomas--Applied Research Laboratories, Dayton, New Jersey
Dutky, Samson R.--Japanese Beetle Laboratory, Moorestown, New Jersey
Echelburger, G. H.--127 South Seventh Street, Lafayette, Indiana
Eisman, Philip C.--15 Renwick Street, New York City, New York
Farber, Lionel--Hooper Foundation, Univ. of California, San Francisco, California
Frey, Carl A.--Ohio University, Athens, Ohio
Garlough, Leslie N.--Municipal University, Omaha, Nebraska
Griffin, Clinton D.--1200 Redgate Avenue, Apt. D-1, Norfolk, Virginia
Gronau, Axel--St. Joseph's Hospital, Alton, Illinois
Heilman, Fordyce R.--Center for Continuation Study, U. of Minn., Minneapolis,Minn.
Hershey, A. D.--Washington Univ. School of Medicine, St. Louis, Missouri
Hirst, Katharine R.--Cedar Crest College, Allentown, Pennsylvania
Hobby, Gladys L.--Coll. of Phys. and Surg., 630 W. 168th St., New York City, N.Y.
Holtman, D. Frank--Dept. of Bact., Ohio State University, Columbus, Ohio
Hooper, Florence E.--Boyce Thompson Inst., 1086 North Broadway, Yonkers, N. Y.
Huntington, Robert W., Jr.--St. Louis Children's Hosp., 500 S. Kingshighway, St. Louis, Missouri
Isacson, Sven Edward--409 Aquila Court, Omaha, Nebraska
Johnson, Frank H.--Dept. of Biology, Princeton Univ., Princeton, New Jersey
Judefind, T. F.--College of Medical Evangelists, Loma Linda, California
Julianelle, L. A.--Medical School, Washington Univ., St. Louis, Missouri
Kalmanson, George M.--Dept. Bact., Washington Univ. Med. Sch., Kingshighway and Euclid, St. Louis, Missouri
Kline, Hubert S.--5 Palmer Street, Apt. 21, Dayton, Ohio
Krauskopf, Elizabeth J.--Dept. Agr. Bact., Univ. of Wisconsin, Madison, Wisconsin
Lattimore, J. L.--618 Mills Building, Topeka, Kansas
Laughery, Eugene G.--Corn Products Refining Company, Argo, Illinois
Lawler, Francis C.--Sch. of Med., Univ. of Oklahoma, 801 East 13th Street, Oklahoma City, Oklahoma

Levine, Milton--227 Millard Hall, Univ. of Minnesota, Minneapolis, Minnesota
Lind, Howard E.--St. Louis County Health Dept., Clayton, Missouri
Logan, E. A.--2607 Ashland, St. Joseph, Missouri
Lowenthal, Max--Mountainside Hospital, Montclair, New Jersey
Mason, Herman C.--1541 South St. Louis Avenue, Chicago, Illinois
Mehrten, Grace--4927 Parkview Place, St. Louis, Missouri
Metzger, William I.--410 Maple Street, West Lafayette, Indiana
Miller, Phillip C.--950 East 59th Street, Chicago, Illinois
Morgan, Isabel M.--4117 Pine Street, Philadelphia, Pennsylvania
Mrak, Emil M.--339 Hilgard Hall, Univ. of California, Berkeley, California
Multher, R. O.--3720 Washington Street, St. Louis, Missouri
Neill, James M.--1300 York Avenue, New York City
Norman, A. G.--Dept. of Agronomy, Iowa State College, Ames, Iowa
Ott, George L.--Cedarburg, Wisconsin
Rankin, Allan Coats--Univ. of Alberta, Edmonton, Alberta, Canada
Roy, T. E.--Dept. Bact. and Immunity, McGill Univ., Montreal, Quebec, Canada
Rust, George M.--Box 2023, Univ. of Kentucky, Lexington, Kentucky
Schneider, J. E.--530 Orchard Avenue, Yeadon, Pennsylvania
Schultz, Mark P.--National Institute of Health, 25th and E Sts., N. W., Washington, D. C.
Schwichtenberg, Marian--2133 N. E. 13th Avenue, Portland, Oregon
Shank, John J.--The Wayne Laboratories, 17 East Main St., Waynesboro, Pa.
Sherwood, N. P.--517 Snow Hall, Univ. of Kansas, Lawrence, Kansas
Silverman, Myron S.--426 Cascadilla Hall, Cornell University, Ithaca, New York
Silverman, Sidney J.--30 West 70th Street, New York City, New York
Sjolander, Newell O.--Dept. Agr. Bact., Univ. of Wisconsin, Madison, Wisconsin
Stern, Robert M.--Dept. Agr. Bact., Univ. of Wisconsin, Madison, Wisconsin
Stillerman, Hyman B.--Dept. Bact., Washington Univ. Med. Sch., St. Louis, Mo.
Stone, Robert W.--Div. of Bact., 201 Patterson Hall, Pa. State College, State College, Pennsylvania
Strean, Lyon P.--Research Lab., Ayerst, McKenna and Harrison, Ltd., 645 Wellington Street, Montreal, Canada
Sugg, John Y.--1300 York Avenue, New York City
Sullivan, Nicholas P.--3211 S. W. Tenth Avenue, Portland, Oregon
Tillett, William S.--Dept. Bact., N. Y. Univ. College of Med., New York City, N.Y.
Tracy, Cecilia M.--21 Park Avenue, Binghamton, New York
Treece, E. Lee--Dept. Bact., Univ. of Kansas, Lawrence, Kansas
Trussell, Ray E.--252 Medical Laboratory, Iowa City, Iowa
Ullom, Robert Francis--626 Columbia Street, Lafayette, Indiana
Valin, Aime--170 Place Youville, Montreal, Canada
van Wieren, Wilhelmine H.--The Borden Co., Research Lab., 600 N. Franklin St., Syracuse, New York
Victor, Frank M.--Public Health Lab., Washburn College Campus, Topeka, Kansas
Varney, Philip L.--Dept. Bact., Washington Univ. Sch. of Med., St. Louis, Mo.
Vieta, Angel--72 Reina Street, Havana, Cuba
Weiss, James E.--Dept. Biology, Brooklyn College, Bedford Ave. at Ave. H., Brooklyn, New York
White, Harold J.--Dept. Pharmacology, Johns Hopkins Medical School, 710 North Washington Street, Baltimore, Maryland
Wichelhausen, Otto--1014 North Broadway, Baltimore, Maryland
Wilson, Catherine E.--5532 Kenwood Avenue, Chicago, Illinois
Witlin, Bernard--5718 North Mervine Street, Philadelphia, Pennsylvania
Wood, H. G.--Science Hall, Iowa State College, Ames, Iowa

SAN FRANCISCO MEETING
August 30 to September 1, 1938

HOTELS: Hotel Fairmont at the top of famous "Nob Hill", overlooking San Francisco Bay, is the headquarters hotel. This is a change from the St. Francis as originally announced. The local group realizes that many participants in the 1938 meeting will be accompanied by families and may wish quieter hotels. Below are a number of suggestions. All are well located with respect to the headquarters hotel and the shopping and theater districts.

	Single	Double
Chancellor	$2.50	$3.50
Sir Francis Drake	3.50	5.00
Plaza	2.50	3.50
Bellevue	2.50	3.50
Stewart	2.50	3.50
Manx	2.50	3.50
Maurice	2.50	3.50

Prices at the Hotel Fairmont range from $4.00 for a single room.

OFFICIAL TRAIN: The Challenger, operated over the Northwestern, Union Pacific, and Southern Pacific roads, has been selected as the official train to the San Francisco meeting. This train goes directly from Chicago to San Francisco and returns directly. There will be no stop-overs.

The Challenger leaves Chicago at 10:30 p.m. on the evening of Saturday, August 27, and arrives in San Francisco at 8:32 a.m. on the morning of August 30. In making the return trip, the train will leave San Francisco at 8:00 p.m. on September 1, getting into Chicago at 8:45 on the morning of Sunday, September 4.

Round-trip fare for the intermediate tourist accommodations decided upon will be $74. A lower berth will be $8.50 each way, making a total of $91 round trip. This is in contrast to $121 for standard, first-class accommodations.

Meals on the train will amount to 90 cents a day.

It seemed preferable in choosing the route of the official train, to select the shortest and most direct one possible. Probably many people will wish to travel only one way on the official train and will make the other half of the trip in more leisurely fashion, with stop-overs at various places. One-way tickets to or from San Francisco on the Challenger may be purchased.

Intermediate tourist accommodations were selected because they are very materially cheaper than straight first-class, and because our information is that they are entirely satisfactory. The coaches are all operated by Pullman. They are the older pullman cars, but have been completely reconditioned, renovated, and redecorated. The entire train is air-conditioned, and there are club-car facilities available to sleeping-car passengers.

More complete details will be furnished you in our June mailing.

MOTORING TO SAN FRANCISCO: On the map accompanying this issue of the News Letter are indicated several desirable routes to San Francisco from Chicago, as outlined by the California Local Committee. Comments of the Committee regarding portions of these routes are listed below.

1. Southern Route: Via St. Louis, Oklahoma City, Albuquerque and Grand Canyon. (May be warm in July and August)

Grand Canyon: Entrance fee of $1.00 includes car and all occupants. Motorists should visit Havasupai Point.

Bryce and Zion National Parks: Route via Cameron enables one to visit Indian Watchtower at Desert View, and gives a fine panorama of the Painted Desert.

To San Francisco via Bakersfield: Affords opportunity of visiting Sequoia and General Grant National Parks and Yosemite Valley, and also keeps motorist in foothill country away from the flat, warm, San Joaquin Valley. State route 198 from Sequoia to General Grant Park is an excellent, oiled road. The winding, oiled road from General Grant Park through Clovis to hard-surfaced U. S. 41 avoids Fresno.

To San Francisco via Los Angeles: U. S. 101, the coast route through Paso Robles and Salinas, is a scenic trip. The slower road, State Route 1, is 22 miles longer, but traverses rugged country and enables one to visit Monterey, Carmel, and the 17-mile drive.

Mileage: a) via Oklahoma City and Bakersfield; no side trips -- 2660 miles.
b) via Oklahoma City, with side trips to Grand Canyon, Bryce and Zion Parks, Boulder Dam, Sequoia, General Grant, and Yosemite National Parks -- 3475 miles.

2. Central and Northern Routes:

a) via Yellowstone:

To Yellowstone via Omaha and Cheyenne: A beautiful drive, entering Yellowstone by the East Gateway.

To Yellowstone via Black Hills: Very scenic, especially between Buffalo and Tensleep where the road crosses the Big Horn Mountains.

From Yellowstone to San Francisco via Salt Lake City and Lake Tahoe: Paved road to Salt Lake City, and between Reno and Carson City to south end of Lake Tahoe. U. S. 50 is hard-surfaced mountain road to Sacramento. For crossing Carquinez Bridge into Oakland, the toll is 60 cents per car, 10 cents per passenger.

From Yellowstone to San Francisco via Glacier National Park: Side trips to Victoria and Vancouver, B. C., the Puget Sound country, and Mt. Rainier should be included. U. S. 101 leads along the Oregon Coast, through the great redwoods, across Golden Gate Bridge into San Francisco.

From Yellowstone to San Francisco via Grand Teton National Park: Narrow, oiled road from the South Gateway to Jackson. Gravel surface road over Teton Pass (elevation 8429 feet) to Victor; pavement to Tetonia; gravel to within ten miles of U. S. 191; then pavement.

b) via Black Hills and Denver: Enables one to visit Rocky Mountain Park and Pike's Peak, Mesa Verde Park, Grand Canyon, etc.

Mileage: a) via Cheyenne and Salt Lake City; no side trips--2251 miles.
b) via Cheyenne, Yellowstone and Salt Lake City--2635 miles.
c) via Black Hills, Yellowstone, and Salt Lake City--2700 miles.

For more detailed information, the Local Committee suggests writing to the Conoco Travel Bureau, Continental Oil Building, Denver, Colorado, asking for their Tour-Aide. This service is free and well worthwhile.